OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: **US/10/071,838**

DATE: 05/16/2002
TIME: 13:06:54

Input Set : **A:\-76-1.app**
Output Set: **N:\CRF3\05162002\J071838.raw**

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 3 <110> APPLICANT: Li, Jing
 4        Powers, Scott
 5        Xiang, Phil
 6        Peng, Yue
 7        Tularik Inc.
 9 <120> TITLE OF INVENTION: PRC17: An Amplified Cancer Gene
11 <130> FILE REFERENCE: 018781-007610US
13 <140> CURRENT APPLICATION NUMBER: US 10/071,838
14 <141> CURRENT FILING DATE: 2002-05-07
16 <150> PRIOR APPLICATION NUMBER: US 60/267,615
17 <151> PRIOR FILING DATE: 2001-02-08
19 <160> NUMBER OF SEQ ID NOS: 18
21 <170> SOFTWARE: PatentIn Ver. 2.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 1964
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
28 <220> FEATURE:
29 <223> OTHER INFORMATION: human PRC17
31 <220> FEATURE:
32 <221> NAME/KEY: CDS
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38 agctacaaca caacgtcga tcatttgggg attgtacatg agacggagct gcctcctctg 180
39 actgcgcggg aggcgaagca aattcggcgg gagatcagcc gaaagagcaa gtgggtggat 240
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41 ggaatgccca tgaacatccg gggcccgatg tggtcagtcc tcctgaacat tgaggaaatg 360
42 aagttgaaaa accccggaag ataccagatc atgaaggaga agggcaagag gtcatctgag 420
43 cacatccagc gcatcgaccg ggacgtaagc gggacattaa ggaagcatat attcttcagg 480
44 gatcgatacg gaaccaagca gcgggaacta ctccacatcc tcctggcata tgaggagtat 540
45 aacccggagg tgggctactg cagggacctg agccacatcg ccgccttgtt cctcctctat 600
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51 acaagaatcg cctttaaggt tcagcagaag cgcctcacga agacgtccag gtgtggcccg 960
52 tgggcacgtt tttgcaaccg gttcgttgat acctgggcca gggatgagga cactgtgctc 1020
53 aagcatctta gggcctctat gaagaaacta acaagaaagc aggggaccct gccacccca 1080
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56 atttggtcag cttccccgcc acgggcacct cgttcttcca caccctgtcc tggtggggct 1260
57 gtccgggaag acacctaccc tgtgggcact cagggtgtgc ccagcccggc cctggctcag 1320
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63 gaaagttctc agttccctcc aggcttctag aagcatctgg gccagggctc atggctggat 1680
64 aatttcccta ggcttaacaa cccaagcaag cttcgcgtcc tcgttttatt tttggttaaa 1740
65 cttatgaaaa tgtattaaga aagagtgcag ctcgagagag attcagagat ggaacacacc 1800
66 agaccccaga tcacaaagcc aaccatgccc agcccctccc agcacccca gccccacgac 1860
67 catcgttctg aattctgacg acaccgtgag cctgcctttg tactttaaac tcatggaagg 1920
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73 <212> TYPE: PRT
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76 <220> FEATURE:
77 <223> OTHER INFORMATION: human PRC17
79 <400> SEQUENCE: 2

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86 Asp Lys Gly Pro Lys Pro Phe Arg Ser Tyr Asn Asn Asn Val Asp His
87          35                  40                  45
89 Leu Gly Ile Val His Glu Thr Glu Leu Pro Pro Leu Thr Ala Arg Glu
90      50                  55                  60
92 Ala Lys Gln Ile Arg Arg Glu Ile Ser Arg Lys Ser Lys Trp Val Asp
93  65                  70                  75                  80
95 Met Leu Gly Asp Trp Glu Lys Tyr Lys Ser Ser Arg Lys Leu Ile Asp
96              85                  90                  95
98 Arg Ala Tyr Lys Gly Met Pro Met Asn Ile Arg Gly Pro Met Trp Ser
99          100                 105                 110
101 Val Leu Leu Asn Ile Glu Glu Met Lys Leu Lys Asn Pro Gly Arg Tyr
102          115                 120                 125
104 Gln Ile Met Lys Glu Lys Gly Lys Arg Ser Ser Glu His Ile Gln Arg
105      130                 135                 140
107 Ile Asp Arg Asp Val Ser Gly Thr Leu Arg Lys His Ile Phe Phe Arg
108 145                 150                 155                 160
110 Asp Arg Tyr Gly Thr Lys Gln Arg Glu Leu Leu His Ile Leu Leu Ala
111              165                 170                 175
113 Tyr Glu Glu Tyr Asn Pro Glu Val Gly Tyr Cys Arg Asp Leu Ser His
114              180                 185                 190
116 Ile Ala Ala Leu Phe Leu Leu Tyr Leu Pro Glu Glu Asp Ala Phe Trp
117          195                 200                 205
119 Ala Leu Val Gln Leu Leu Ala Ser Glu Arg His Ser Leu Gln Gly Phe
120      210                 215                 220
122 His Ser Pro Asn Gly Gly Thr Val Gln Gly Leu Gln Asp Gln Gln Glu
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125 His Val Val Ala Thr Ser Gln Pro Lys Thr Met Gly His Gln Asp Lys
126               245               250               255
128 Lys Asp Leu Cys Gly Gln Cys Ser Pro Leu Gly Cys Leu Ile Arg Ile
129               260               265               270
131 Leu Ile Asp Gly Ile Ser Leu Gly Leu Thr Leu Arg Leu Trp Asp Val
132           275               280               285
134 Tyr Leu Val Glu Gly Glu Gln Ala Leu Met Pro Ile Thr Arg Ile Ala
135       290               295               300
137 Phe Lys Val Gln Gln Lys Arg Leu Thr Lys Thr Ser Arg Cys Gly Pro
138 305               310               315               320
140 Trp Ala Arg Phe Cys Asn Arg Phe Val Asp Thr Trp Ala Arg Asp Glu
141               325               330               335
143 Asp Thr Val Leu Lys His Leu Arg Ala Ser Met Lys Lys Leu Thr Arg
144               340               345               350
146 Lys Gln Gly Asp Leu Pro Pro Pro Ala Lys Pro Glu Gln Gly Ser Ser
147           355               360               365
149 Ala Ser Arg Pro Val Pro Ala Ser Arg Gly Gly Lys Thr Leu Cys Lys
150       370               375               380
152 Gly Asp Arg Gln Ala Pro Pro Gly Pro Pro Ala Arg Phe Pro Arg Pro
153 385               390               395               400
155 Ile Trp Ser Ala Ser Pro Pro Arg Ala Pro Arg Ser Ser Thr Pro Cys
156               405               410               415
158 Pro Gly Gly Ala Val Arg Glu Asp Thr Tyr Pro Val Gly Thr Gln Gly
159           420               425               430
161 Val Pro Ser Pro Ala Leu Ala Gln Gly Gly Pro Gln Gly Ser Trp Arg
162           435               440               445
164 Phe Leu Gln Trp Asn Ser Met Pro Arg Leu Pro Thr Asp Leu Asp Val
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167 Glu Gly Pro Trp Phe Arg His Tyr Asp Phe Arg Gln Ser Cys Trp Val
168 465               470               475               480
170 Arg Ala Ile Ser Gln Glu Asp Gln Leu Ala Pro Cys Trp Gln Ala Glu
171               485               490               495
173 His Pro Ala Glu Arg Val Arg Ser Ala Phe Ala Ala Pro Ser Thr Asp
174           500               505               510
176 Ser Asp Gln Gly Thr Pro Phe Arg Ala Arg Asp Glu Gln Pro Cys Ala
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187 <211> LENGTH: 2146
188 <212> TYPE: DNA
189 <213> ORGANISM: Homo sapiens
191 <220> FEATURE:
192 <223> OTHER INFORMATION: human PRC17 splice variant 1 (exon 3 expanded)
194 <220> FEATURE:
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198 <400> SEQUENCE: 3
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202 gccccacagg aaggcccttg tcctcccttc cctgtgcctt ctcctgggct gagccctgag 240
203 ctggaaaggg acagagccag tcctttctgg gggtcggcac ccaggctggg gccgctccag 300
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206 atatgctggg agactgggag aaatacaaaa gcagcagaaa gctcatagat cgagcgtaca 480
207 agggaatgcc catgaacatc cggggcccga tgtggtcagt cctcctgaac attgaggaaa 540
208 tgaagttgaa aaaccccgga agataccaga tcatgaagga gaagggcaag aggtcatctg 600
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211 ataacccgga ggtgggctac tgcagggacc tgagccacat cgccgccttg ttcctcctct 780
212 atcttcctga ggaggatgca ttctgggcac tggtgcagct gctggccagt gagaggcact 840
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232 ccagaccccca gatcacaaag ccaaccatgc ccagcccctc ccagcacccc cagccccacg 2040
233 accatcgttc tgaattctga cgacaccgtg agcctgcctt tgtactttaa actcatggaa 2100
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238 <211> LENGTH: 610
239 <212> TYPE: PRT
240 <213> ORGANISM: Homo sapiens
242 <220> FEATURE:
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245 <400> SEQUENCE: 4
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249 Asp Ile Ile Met Lys Tyr Glu Lys Gly His Arg Ala Gly Leu Pro Glu
250             20                  25                  30
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Input Set : **A:\-76-1.app**
Output Set: N:\CRF3\05162002\J071838.raw

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253         35              40              45
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256     50              55              60
258 Gly Pro Cys Pro Pro Phe Pro Val Pro Ser Pro Gly Leu Ser Pro Glu
259 65              70              75              80
261 Leu Glu Arg Asp Arg Ala Ser Pro Phe Trp Gly Ser Ala Pro Arg Leu
262             85              90              95
264 Gly Pro Leu Gln Ala Pro Cys Ser Ser Ser Ala Leu Pro Gly Leu Pro
265             100             105             110
267 Tyr Ser Glu Thr Glu Leu Pro Pro Leu Thr Ala Arg Glu Ala Lys Gln
268         115             120             125
270 Ile Arg Arg Glu Ile Ser Arg Lys Ser Lys Trp Val Asp Met Leu Gly
271     130             135             140
273 Asp Trp Glu Lys Tyr Lys Ser Ser Arg Lys Leu Ile Asp Arg Ala Tyr
274 145             150             155             160
276 Lys Gly Met Pro Met Asn Ile Arg Gly Pro Met Trp Ser Val Leu Leu
277             165             170             175
279 Asn Ile Glu Glu Met Lys Leu Lys Asn Pro Gly Arg Tyr Gln Ile Met
280             180             185             190
282 Lys Glu Lys Gly Lys Arg Ser Ser Glu His Ile Gln Arg Ile Asp Arg
283         195             200             205
285 Asp Val Ser Gly Thr Leu Arg Lys His Ile Phe Phe Arg Asp Arg Tyr
286     210             215             220
288 Gly Thr Lys Gln Arg Glu Leu Leu His Ile Leu Leu Ala Tyr Glu Glu
289 225             230             235             240
291 Tyr Asn Pro Glu Val Gly Tyr Cys Arg Asp Leu Ser His Ile Ala Ala
292             245             250             255
294 Leu Phe Leu Leu Tyr Leu Pro Glu Glu Asp Ala Phe Trp Ala Leu Val
295             260             265             270
297 Gln Leu Leu Ala Ser Glu Arg His Ser Leu Gln Gly Phe His Ser Pro
298         275             280             285
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301     290             295             300
303 Ala Thr Ser Gln Pro Lys Thr Met Gly His Gln Asp Lys Lys Asp Leu
304 305             310             315             320
306 Cys Gly Gln Cys Ser Pro Leu Gly Cys Leu Ile Arg Ile Leu Ile Asp
307             325             330             335
309 Gly Ile Ser Leu Gly Leu Thr Leu Arg Leu Trp Asp Val Tyr Leu Val
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312 Glu Gly Glu Gln Ala Leu Met Pro Ile Thr Arg Ile Ala Phe Lys Val
313         355             360             365
315 Gln Gln Lys Arg Leu Thr Lys Thr Ser Arg Cys Gly Pro Trp Ala Arg
316     370             375             380
318 Phe Cys Asn Arg Phe Val Asp Thr Trp Ala Arg Asp Glu Asp Thr Val
319 385             390             395             400
321 Leu Lys His Leu Arg Ala Ser Met Lys Lys Leu Thr Arg Lys Gln Gly
322             405             410             415
324 Asp Leu Pro Pro Pro Ala Lys Pro Glu Gln Gly Ser Ser Ala Ser Arg
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:9; N Pos. 1,20
Seq#:12; N Pos. 1,29

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Output Set: **N:\CRF3\05162002\J071838.raw**

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:567 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:618 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0